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SEQUENCE LISTING

<110> Shewchuk, Lisa Marie  
Hassell, Anne Moore  
Brignola, Perry Scott

<120> ERB4 Co-Crystal

<130> PU4804USw

<140> US 10/543,046

<141> 2005-07-21

<150> PCT/US04/01291

<151> 2004-01-20

<150> US 60/441,443

<151> 2003-01-21

<160> 5

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 364

<212> PRT

<213> Homo sapein

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Arg	Ile	Leu	Lys	Glu	Thr	Glu	Leu	Lys	Arg	Val	Lys	Val	Leu	Gly	Ser
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Gly	Ala	Phe	Gly	Thr	Val	Tyr	Lys	Gly	Ile	Trp	Val	Pro	Glu	Gly	Glu
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Thr	Val	Lys	Ile	Pro	Val	Ala	Ile	Lys	Ile	Leu	Asn	Glu	Thr	Thr	Gly
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Pro	Lys	Ala	Asn	Val	Glu	Phe	Met	Asp	Glu	Ala	Leu	Ile	Met	Ala	Ser
			85					90						95	
Met	Asp	His	Pro	His	Leu	Val	Arg	Leu	Gly	Val	Cys	Leu	Ser	Pro	
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Thr	Ile	Gln	Leu	Val	Thr	Gln	Leu	Met	Pro	His	Gly	Cys	Leu	Leu	Glu
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Tyr	Val	His	Glu	His	Lys	Asp	Asn	Ile	Gly	Ser	Gln	Leu	Leu	Leu	Asn
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Trp	Cys	Val	Gln	Ile	Ala	Lys	Gly	Met	Met	Tyr	Leu	Glu	Glu	Arg	Arg
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Leu	Val	His	Arg	Asp	Leu	Ala	Ala	Arg	Asn	Val	Leu	Val	Lys	Ser	Pro
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Asn	His	Val	Lys	Ile	Thr	Asp	Phe	Gly	Leu	Ala	Arg	Leu	Leu	Glu	Gly
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Asp	Glu	Lys	Glu	Tyr	Asn	Ala	Asp	Gly	Gly	Lys	Met	Pro	Ile	Lys	Trp
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Val	Trp	Ser	Tyr	Gly	Val	Thr	Ile	Trp	Glu	Leu	Met	Thr	Phe	Gly	Gly
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Lys	Pro	Tyr	Asp	Gly	Ile	Pro	Thr	Arg	Glu	Ile	Pro	Asp	Leu	Leu	Glu
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# SEQLIST

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 Met Val Met Val Lys Cys Trp Met Ile Asp Ala Asp Ser Arg Pro Lys  
 275 280 285  
 Phe Lys Glu Leu Ala Ala Glu Phe Ser Arg Met Ala Arg Asp Pro Gln  
 290 295 300  
 Arg Tyr Leu Val Ile Gln Gly Asp Asp Arg Met Lys Leu Pro Ser Pro  
 305 310 315 320  
 Asn Asp Ser Lys Phe Phe Gln Asn Leu Leu Asp Glu Glu Asp Leu Glu  
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 ctgctgctta actgggtgtg ccagatagct aagggaatga tgtacctgga agaaagacga 480  
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 20 25 30  
 Gly Thr Val Tyr Lys Gly Ile Trp Val Pro Ala Gly Glu Ala Val Lys  
 35 40 45  
 Ile Pro Val Ala Ile Lys Ile Ala Val Ala Asn Val Glu Phe Met Asp  
 50 55 60  
 Glu Ala Leu Ile Met Ala Ser Met Asp His Pro His Leu Val Arg Leu  
 65 70 75 80  
 Leu Gly Val Cys Leu Ser Pro Thr Ile Gln Leu Val Thr Gln Leu Met  
 85 90 95  
 Pro His Gly Cys Leu Leu Glu Tyr Val His Glu His Lys Asp Asn Ile  
 Page 2

1000 1000 1000

1000 1000 1000

# SEQLIST

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 <211> 11  
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 <223> His tag for Erb4 cytoplasmic domain

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<210> 5  
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 <223> Substrate peptide for Erb4 activity assay

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